

	DITCH TYPE I		DITCH TYPE II		DITCH TYPE III	
SLOPE (%)	VEL. (FPS)	Q (CFS)	VEL. (FPS)	Q (CFS)	VEL. (FPS)	Q (CFS)
0.5	1.4	4	2.2	14	4.1	28
1.0	2.5	11	3.3	20	NOT PERMITTED	
1.5	3.4	20	NOT PERMITTED		NOT PERMITTED	
2.0	4.3	26	NOT PERMITTED		NOT PERMITTED	
2.5	5.0	32	NOT PERMITTED		NOT PERMITTED	
3.0 (4)	5.7	37	NOT PERMITTED		NOT PERMITTED	

- NOTES:
1. SEE FIGURE 400-17 FOR GEOMETRY OF ROADSIDE DITCH
 2. VELOCITY IS BASED UPON THE SCS RETARDANCE CURVE "D". SEE FIGURE 400-13.
 3. CAPACITY IS BASED UPON THE SCS RETARDANCE CURVE "C". SEE FIGURE 400-13.
 4. MAXIMUM PERMISSIBLE SLOPE FOR ROADSIDE DITCH IS 3.0%. SLOPE LIMITATION IS BASED ON A MAXIMUM FROUDE NUMBER OF 0.8 FOR TYPE I AND II AND 0.9 FOR TYPE III DITCH.
 5. LINEARLY INTERPOLATE FOR INTERMEDIATE SLOPES.

N.T.S.



STANDARDS &
SPECIFICATIONS

REVISED:

ROADSIDE DITCH CAPACITIES

DATE:

DRAWING NO. 400-10